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NEWS	2	Sep 17	IMDWorld Pharmaceutical Company Directory name change to PHARMASEARCH
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NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/REGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	IGENE GETSIM has been improved
NEWS	8	Oct 24	AAASD no longer available
NEWS	9	Nov 14	New Search Capabilities: USPATFULL and USPAT2
NEWS	10	Nov 14	TOXCENTERISM - new toxicology file now available on STN
NEWS	11	Nov 19	COMPENLIT now available on STN
NEWS	12	Nov 19	EWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 24	Files VRTN and VRTB to have open access
NEWS	14	Dec 14	WEINTEK/WHITE/WHIX New and Revised Manual Codes for 2002
NEWS	15	Dec 19	IGENE BLAST Homology Search
NEWS	16	Dec 19	WELLSREARCH now available on STN
NEWS	17	Dec 19	STANARDS now available on STN
NEWS	18	Dec 19	New titles for DECI
NEWS	19	Dec 19	CAS Files modified
NEWS	20	Feb 19	1967-1996 data and page images added to CA and Caplus
NEWS	21	Jan 25	BLAST R ₁ searching in REGISTRY available on STN or the Web
NEWS	22	Jan 25	Searching with the P indicator for Preparations
NEWS	23	Jan 24	ESTR has been released and moves to weekly updates
NEWS	24	Feb 01	DEINIT now produced by FIC Karlsruhe and has a new update frequency
NEWS	25	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS	26	Mar 06	Gene Names now available in BIOSIS
NEWS	EXPRESS		February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 25 FEBRUARY 2002
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NEWS	WWW		CAS World Wide Web Site (general information)

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=> s call by insulin
L1 90 CHICORY INULIN

=> s manufacturer.
L2 1046532 MANUFACTURER

=> s 11 and 12
L3 10 L1 AND L2

=> d 13 1-12

L1 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2002 ACS
AN 2101:6134-3 CAPLUS
DI 135:152014
TI Insulin products with improved nutritional properties
IN Friggiat, Anne; Van, Luc-Jan; Snits, Georges
PA Tienne Suikeraffinerie N.V. (Raffinerie Tirlemontoise S.A.), Belg.
SO Eur. Pat. Appl., 18 pp.

CODEN: ERENOW

DT Patent

LA English

FAN.CNI 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1135807	A1	2001-05-02	EP 2000-103856	20000215
	E: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, LT, LV, SI, SK				
	WO 200100170	A1	2001-01-23	WO 2001-EP1600	20010214
	W: AU, BR, CA, CN, DE, FR, MX, NL, US				
	FW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				

FFAI EP 2000-103856 A 20000215

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L? ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN: 1299:460779 CAPLUS

DN: 131:103303

TI: Process for the **manufacture** of **chicory inulin**, hydrolysates and derivatives of inulin, and improved **chicory inulin** products, hydrolysates and derivatives

IN: Smits, Georges; De Leenheer, Leen

PA: Tiense Suikerraffinaderij N.V. (Raffinerie Tirlemontoise S.A.), Belg.

SO: Eur. Pat. Appl., 23 pp.

COOEN: EEXNDW

DT: Patent

LA: English

FAN.CHT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	EP 990312	A1	19990321	EP 1999-870012	19990121
	E: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, IT, IN, FI, RO				
WO	9917040	A1	19990719	WO 1999-EP155	19990113
	W: AU, CN, IN, IE, IT				
	FW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9921650	A1	19990809	AU 1999-21650	19990113
	EP 1999011	A1	99 01105	EP 1999-901105	19990113
	E: ES, FR, GB, GR, IT, IE				
	CA 9900306	A	19990719	CA 1999-306	19990118
	EP 9902414	A	9911296	BS 1999-1234	19990719
PBAI	EP 1998-870012	A	19980121		
	WO 1999-EP155	W	19990113		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L? ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN: 199-:219447 CAPLUS

DN: 175:158/27

TI: Cyclic fructan derivatives and **manufacture** and uses thereof

IN: Kuzee, Hendrika Cornelia; Bolkenbaas, Mariette Ellen Boukje; Jonker, Ronald

PA: Cooperative Cosun U.A., Neth.; Kuzee, Hendrika Cornelia; Bolkenbaas, Mariette Ellen Boukje; Jonker, Ronald

SO: ECT Int. Appl., 14 pp.

COOEN: PIKXD2

DT: Patent

LA: English

FAN.CHT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9914447	A1	19990409	WO 1997-NL343	19970930
	W: AU, CA, JP, NZ, US				
	FW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
SE	NL 1994113	GR	19990301	NL 1996-1994153	19960930
	AU 9944025	A1	19990404	AU 1997-44025	19970930
	AU 199749	B2	19990319		
	EP 998800	A1	19990302	EP 1997-341300	19970930
	EP 998800	B1	99 02102		
	E: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001505594	T2	20010424	JP 1998-510596	19970930

AT 211491 E 20000115 AT 1997-942300 19970930
 PRAI NL 1996-1104153 A 19960930
 WO 1997-111543 W 19970930
 QS MARPAT 12-1219727

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:1104153 CAPLUS
 EN 115:321000
 TI Heat-treated polyfructose cream as margarine substitute
 IN Heijer, Margarette Jennie; Eedyakkers, Maria Mathilda Arnolda
 FA Coöperatieve Suiker Unie N.A., Neth.
 SO Ger. Offen., 6 pp.
 COTEN: GWXXBX

DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19617605	A1	19961105	DE 1996-19617605	19960501
	NL 1996179	C1	19961105	NL 1996-1100079	19960501
	NL 1996198	A1	19961105	NL 1996-1996198	19960501
	NL 1996198	C1	19961105		
	GB 2340143	A1	19961106	GB 1996-9197	19960501
	GB 2340143	B2	19960117		
	BE 1996597	A1	19960106	BE 1996-357	19960501
PRAI	NL 1996-1100179		19960106		

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:1104153 CAPLUS
 EN 109:11905
 TI **Manufacture** of fructose syrup from inulin
 IN Yamaguchi, Hiroshi
 FA Meiji Daira Kaisha, Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 COTEN: USXXAF

DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63036794	A2	19840117	JP 1986-177602	19860730

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:86954 CAPLUS
 EN 108:6554
 TI Fructose syrup
 IN Yamaguchi, Hiroshi; Matsunoto, Kouichi
 FA Can.
 SO U.S., 11 pp.
 COTEN: USXXAM

DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4613377	A	19860923	US 1984-674136	19841123
	CA 1146856	A1	19861211	CA 1984-459547	19840724
PRAI	CA 1984-459547		19840724		

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1987:15767 CAPLUS

DN 106:15767
 TI Inulin-containing plants, as alternative resources. Biochemical and plant physiological aspects
 AU Beck, R. H. F.; Praznik, W.
 CS Inst. Chem., Univ. Boderkultur, Vienna, A-1130, Austria
 SO Starch/Staerke (1986), 38(11), 391-4
 CODEN: STARD; ISSN: 0038-9056
 DT Journal
 LA German

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1336:123140 CAPLUS
 DN 134:12-130
 TI Acetone and butanol by fermentation of inulin
 IN Blanchet, Denis; Marchal, Remy; Vandecasteele, Jean Paul
 PA Institut Francais du Pétrole, Fr.
 SO Fr. Demande, 12 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CIT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1350160	A1	19860809	FR 1934-1247	19840206
	FR 1350160	B1	19860814		

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1336:404054 CAPLUS
 DN 40:4054
 TI Inulin hydrolysis by an immobilized yeast-cell reactor
 AU Guinard, J. P.; Bapon, A. M.; Chautard, P.; Galay, P.
 CS STIA, Montpellier, 34060, Fr.
 SO Enzyme Microb. Technol. (1985), 5(3), 185-90
 CODEN: EMTEB2; ISSN: 0141-0229
 DT Journal
 LA English

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:2472 CAPLUS
 DN 20:2472
 TI Recovery of insulin and fructose
 IN Kerschoffs, Pieter Laurens; Schiepers, Lambertus Albertus C.
 PA Standaard B. V., Neth.
 SO Fr. Demande, 6 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CIT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1474053	A1	19810714	FR 1931-1145	19810122
	FR 1474053	B1	19841026		
	NL 8000380	A	19810817	NL 1930-380	19800122
	BE 887163	A1	19810722	BE 1981-203542	19810121
PFAI	NL 1980-380		19800122		

4 s fructan or inulin
 L4 31972 FRUCTAN OF INULIN

= s chicory roots
L1 281 CHICORY ROOTS

= s chicory
L6 3945 CHICORY

= s low sugar
L7 1140 LOW SUGAR

= s 14 and 16
L8 144 L4 AND L6

= s 17 and 17
L9 190 L8 AND L7

= s 16 and 17
L10 190 L8 AND L7

= s FEH or fructan exohydrolase
L11 644 FEH OF FRUCTAN EXOHYDROLASE

= s L11 and 18
L12 18 L11 AND 18

= dup remove L12
PROCESSING COMPLETED FOR L12
L13 18 DUP REMOVE L12 (15 DUPLICATES REMOVED)

= d L13 1-18

L13 ANSWER 1 OF 18 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

AN 2001:114013 BIOSIS

DE PREV201100184613

TI Defoliation induces **fructan** 1-exohydrolase II in witloof
chicory roots. Cloning and purification of two isoforms,
fructan 1-exohydrolase IIa and **fructan** 1-exohydrolase
IIb. Mass fingerprint of the **fructan** 1-exohydrolase II enzymes.

AU Van den Ende, Wim (1); Michiels, A.; Van Wouterghem, Dominik; Clerens,
Stefan P.; De Boever, Joke; Van Laere, Andre J.

CS (1) Department of Biology, Laboratory for Developmental Biology, Botany
Institute, K.U. Leuven, Kasteelpark Arenberg 31, B-3001, Leuven:
wim.vanderende@bio.kuleuven.ac.be Belgium

SO Plant Physiology (Rockville), (July, 2001) Vol. 126, No. 3, pp.
1186-1195.

print.

ISSN: 0012-0385.

DT Article

LA English

SN English

L13 ANSWER 2 OF 18 AGFICOLA

AN 2001:1294 AGFICOLA

DN IND.344729

TI Defoliation induces **fructan** 1-exohydrolase II in witloof
chicory roots. Cloning and purification of two isoforms,
fructan 1-exohydrolase IIa and **fructan** 1-exohydrolase
IIb. Mass fingerprint of the **fructan** 1-exohydrolase II enzymes.

AU Ende, W. van den.; Michiels, A.; Wouterghem, D. van.; Clerens, S.P.;
Boever, J. de.; Laere, A.J. van.

AV DNAL (470 P692)

SO Plant physiology, July 2001. Vol. 126, No. 3. p. 1186-1195
 Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
 CODEN: PLPHAY; ISSN: 0038-0889
 NTE Includes references
 CY Maryland; United States
 DT Article; Conference
 EV U.S. Inprints not USDA, Experiment or Extension
 LA English

I13 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:814640 CAPLUS
 DN 123:86046
 TI The **fructan exohydrolase** of **chicory** and a
 cDNA encoding it and the manipulation of **fructan** catabolism
 IN Van den Ende, Wim; Van Laere, Andre; De Roover, Joke; Michiels, An
 EA K.U. Leuven Research & Development, Belg.
 SO ECT Int. Appl., 45 pp.
 CODEN: ECTE
 DT Patent
 LA English
 PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 1999068462	A1	20001116	WO 1999-EP4226	20000508
W: AB, AI, AL, AM, AT, AU, AZ, BA, BF, BG, BF, BY, CA, CH, CN, CR, CU, DE, DK, EM, EE, ES, FI, GB, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LK, LP, LS, LT, LU, MC, MA, MI, ME, MG, MN, MW, MX, MY, NZ, PL, PT, PG, RJ, SD, SE, SG, SI, SK, SL, TJ, TH, TR, TT, UA, US, US, VE, VN, YU, ZA, ZW, AM, AC, BY, KG, ME, MD, RU, TL, TM PW: BR, BN, BF, LS, MW, ND, SL, SS, TC, US, ZW, AT, BE, CH, CY, DE, DK, EA, FI, FR, GB, GR, IE, IT, LT, MD, NL, PT, SE, BF, EU, CF, CG, CI, CM, CA, GN, GW, ML, MR, NE, SN, TG BE 1012669 A2 19991016 BE 1994-329 19990506 IFAI BE 1993-329 A 19990506				

PE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE PE FORMAT

I13 ANSWER 4 OF 13 BIOSIS COPYRIGHT 2000 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 AN 2001:41637 BIOSIS
 DN PREVD00130081632
 TI Cloning and functional analysis of **chicory** root **fructan**
 1-exohydrolase (1-FEH 1) : A vacuolar enzyme derived from a
 cell-wall invertase-ancestral Mass fingerprint of the 1-FEH 1
 enzyme.
 AV Van den Ende, Wim J. ; Michiels, An; De Roover, Joke; Verhaert, Peter;
 Van Laere, Andre
 CY Department of Biology, K.U. Leuven, Botany Institute, Kardinaal
 Mercierlaan 59, B-3001, Leuven: wim.vandenend@bio.kuleuven.ac.be Belgium
 SO Plant Journal, (November, 2000) Vol. 24, No. 4, pp. 447-456. print.
 ISSN: 0950-7412.
 DT Article
 LA English
 SL English

I13 ANSWER 5 OF 13 AGRICOLA
 AN 2001:15447 AGRICOLA
 DN IND22294499
 TI Cloning and functional analysis of **chicory** root **fructan**

- 1-exohydrolase I (1-FEH I): a vacuolar enzyme derived from a cell-wall invertase ancestor? Mass fingerprint of the 1-FEH I enzyme.
- AD Ende, W. van den.; Michiels, A.; Roover, J. de.; Verhaert, P.; Laere, A. van.
- AV DNAL QK710.P6B3)
- SO The Plant journal : for cell and molecular biology, Nov 2000. Vol. 24, No. 4, p. 447-456
- Publisher: Oxford : Blackwell Sciences Ltd.
- ISSN: 0968-7412
- NIE Includes references
- CT England; United Kingdom
- DT Article
- PS Non-U.S. Imprint other than FAD
- LA English
- L13 ANSWER 6 OF 13 BIOSIS COPYRIGHT 1991 BIOLOGICAL ABSTRACTS INC.DUPLICATE 3
- AU 1999:411931 BIOSIS
- DN FREV1944000431931
- T1 Effect of defoliation on **fructan** pattern and **fructan** metabolizing enzymes in young **chicory** plants (*Dichorium intybus*).
- AD De Roover, Joke; Van Laere, Andre; Van den Ende, Wim (1)
- CS (1) Laboratory for Developmental Biology, Botany Institute, Kardinaal Mercierlaan 91, B-3001, Heverlee Belgium
- SO Physiologia Plantarum, (June, 1999) Vol. 106, No. 2, pp. 158-163.
- ISSN: 0031-9317.
- DT Article
- LA English
- SL English
- L13 ANSWER 7 OF 13 BIOSIS COPYRIGHT 1991 BIOLOGICAL ABSTRACTS INC.DUPLICATE 4
- AU 1999:355759 BIOSIS
- DN FREV1944000435759
- T1 Purification and properties of a second **fructan** **exohydrolase** from the roots of *Dichorium intybus*.
- AD De Roover, Joke (1); Van Laere, Andre; De Winter, Marie; Timmermans, Johan
- W.; Van den Ende, Wim
- CS (1) Department of Biology, Laboratory for Developmental Biology, Botany Institute, K.U. Leuven, Kardinaal Mercierlaan 91, B-3001, Heverlee Belgium
- SO Physiologia Plantarum, (May, 1999) Vol. 106, No. 1, pp. 28-34.
- ISSN: 0031-9317.
- DT Article
- LA English
- SL English
- L13 ANSWER 8 OF 13 BIOSIS COPYRIGHT 1991 BIOLOGICAL ABSTRACTS INC.DUPLICATE 5
- AU 1999:222477 BIOSIS
- DN FREV194400022477
- T1 Effect of nitrogen concentration on **fructan** and **fructan** metabolizing enzymes in young **chicory** plants (*Dichorium intybus*).
- AD Van den Ende, Wim; De Roover, Joke; Van Laere, Andre (1)
- CS (1) Dept. of Biology, K.U. Leuven, Botany Institute, Kardinaal Mercierlaan 91, B-3001, Heverlee Belgium
- SO Physiologia Plantarum, (Jan., 1999) Vol. 105, No. 1, pp. 2-8.
- ISSN: 0031-9317.

IT Article
LA English
SL English

L13 ANSWER 9 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

AN 1999:39190 BIOSIS

DN PREV1999:0039190

TI Effect of osmolytes on the **fructan** pattern in feeder roots produced during forcing of **chicory** (*Cichorium intybus* L.).

AV Van Den Ende, Wim; Moors, Sam; Van Boenacker, Gerd; Van Laere, Andre

CS Lab. Dev. Biol., Botany Inst., KULEuven, Kardinaal Mercierlaan 92, B-3001 Heverlee Belgium

SO Journal of Plant Physiology, (Oct., 1998) Vol. 153, No. 3-4, pp. 293-298.

ISSN: 0176-1617.

IT Article
LA English

L13 ANSWER 10 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
7

AN 1996:161140 BIOSIS

DN PREV1996:784028

TI Purification and characterization of an oat **fructan exohydrolase** that preferentially hydrolyzes beta-2,6-**fructans**.

AV Benson, Cynthia A. 1); Livingston, David P. II

CS (1) United States Dep. Agric., Agric. Res. Serv., Crop Sci. Dep., NC State Univ., 440 Method Road, Raleigh, NC 27695 USA

SO Plant Physiology (Rockville), (1996) Vol. 113, No. 2, pp. 639-644.
ISSN: 0032-0889.

IT Article
LA English

L13 ANSWER 11 OF 13 BIOSIS COPYRIGHT 2000 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

AN 1996:918095 BIOSIS

DN PREV1996:00237451

TI **Fructan** synthesizing and degrading activities in **chicory** roots (*Cichorium intybus* L.) during field-growth, storage and forcing.

AV Van Den Ende, Wim; Van Laere, Andrew

CS Lab. Dev. Biol., Botany Inst., Kardinaal Mercierlaan 92, B-3001 Heverlee Belgium

SO Journal of Plant Physiology, (1996) Vol. 149, No. 1-2, pp. 43-50.
ISSN: 0176-1617.

IT Article
LA English

L13 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2000 ACS

AN 1992:170330 CAPLUS

DN 116:170330

TI **Fructan exohydrolase** activity in leaves of *Lolium temulentum* L.

AV Simpson, E. J.; Walker, R. P.; Pollock, C. J.

CS Sch. Agric. For., Univ. Melbourne, Parkville, 3052, Australia

SO New Phytol. (1991), 119(4), 499-507

CADEN: NEPHAV; ISSN: 0028-646X

IT Journal

LA English

L13 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS
INC.DUPLICATE

9
AN 1989:185921 BIOSIS
DI BAKF:11265
TI PURIFICATION AND PROPERTIES OF BARLEY STEM **FRUCTAN**
EXOHYDROLASE.
AU HENSON C A
CS USDA-ARS CEREAL CROPS RES. UNIT, 1575 LINDEN DR., MADISON, WIS. 53706.
SO J PLANT PHYSIOL, (1989) 134 (2), 186-191.
CODEN: JEPPEY. ISSN: 0176-1617.
ES BA; OLD
LA English

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